

Problems of improper dynamic system analysis and synthesis with regard for transfer zeroes

Asanov A., Dem'yanov D.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The notion of a transfer zero as applied to improper dynamic systems is considered. An algorithm that makes it possible to reduce the calculation of improper system zeroes to finding ordinary system zeroes is presented. A method for providing the specified position of a transfer zero set in the improper dynamic system having an equal number of inputs and outputs is proposed. © Allerton Press, Inc. 2009.

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Keywords

Analysis, Improper dynamic system, Synthesis, Transfer zero